

INTERNATIONAL SEARCH REPORT

International Application No
PCT/DE2004/002674

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F16C35/067 F16C33/58 F16C19/18 B60B27/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 F16C B60B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 418 532 A (IVECO FIAT S.P.A) 27 March 1991 (1991-03-27) column 2, line 7 - column 3, line 7; claim 3; figure 1	1,5,13, 16
A	----- WO 95/13198 A (THE TIMKEN COMPANY; DRIVER, RICHARD, CHARLES; WRIGHT, ALAN, JOHN; BURR) 18 May 1995 (1995-05-18) page 7, line 23 - page 9, line 18; figures 4,5	2,4,7,8, 10,11
X	-----	1,5,7,8,
A	----- US 2002/015545 A1 (GRISERI ANDREA ET AL) 7 February 2002 (2002-02-07) paragraph '0027! - paragraph '0028!; figure 4	10,11, 13,16 2,4
X	-----	1-6,13, 16
Y	----- -/-	14,15

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

12 April 2005

Date of mailing of the international search report

21/04/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Fischbach, G

INTERNATIONAL SEARCH REPORT

International Application No

PCT/DE2004/002674

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DE 87 02 275 U1 (WAGNER GMBH & CO, FAHRZEUGTEILEFABRIK, 6400 FULDA, DE) 2 April 1987 (1987-04-02) page 3, line 12 - line 18; figure 1 -----	14,15
A	WO 99/02873 A (SKF INDUSTRIAL TRADING & DEVELOPMENT COMPANY B.V; DE VRIES, ALEXANDER,) 21 January 1999 (1999-01-21) page 3, line 18 - line 21; figure 2 -----	1,4,5,7, 8,10,13

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No.
PCT/DE2004/002674

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 0418532	A	27-03-1991	IT AT DE DE EP ES	217181 Z2 104220 T 69008088 D1 69008088 T2 0418532 A1 2051419 T3		12-11-1991 15-04-1994 19-05-1994 10-11-1994 27-03-1991 16-06-1994
WO 9513198	A	18-05-1995	WO	9513198 A1		18-05-1995
US 2002015545	A1	07-02-2002	IT DE	T020000758 A1 10137127 A1		31-01-2002 07-03-2002
DE 8702275	U1	02-04-1987		NONE		
WO 9902873	A	21-01-1999	NL AU CN EP JP WO	1006534 C2 8133998 A 1262723 A 0993558 A1 2001509570 T 9902873 A1		12-01-1999 08-02-1999 09-08-2000 19-04-2000 24-07-2001 21-01-1999